

### New Weather Bureau Publications

*Research Paper* No. 45, "Meteorological Drought," Wayne C. Palmer, Washington, D.C., 1965, 58 pp. Price, 40 cents.

An index number to represent the departure of the moisture aspect of the weather from normal is developed. This index permits time and space comparisons of drought severity. Monthly index values for past dry periods were combined by a relatively objective procedure to yield an equation for calculating drought severity in four classes—mild, moderate, severe, and extreme. Examples of application are given.

*Technical Paper* No. 51, "Two- to Ten-Day Rainfall for Return Periods of 2 to 100 years in the Hawaiian Islands," John F. Miller, Washington, D.C., 1965, 34 pp. Price 30 cents.

*Technical Paper* No. 52, "Two- to Ten-Day Precipitation for Return Periods of 2 to 100 Years in Alaska," John F. Miller, Washington, D.C., 1965, 30 pp. Price 60 cents.

These two papers provide in a series of maps and diagrams generalized estimates of the precipitation-frequency regime for durations from 2 to 10 days and for return periods from 2 to 100 years in the Hawaiian Islands and in Alaska.

These publications are for sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C., 20402.